

**FOURTH ANNUAL MEETING OF POSTDOCTORAL, CLINICAL, AND
VISITING FELLOWS AND GRADUATE STUDENTS**

Eunice Kennedy Shriver

**NATIONAL INSTITUTE OF CHILD HEALTH AND HUMAN DEVELOPMENT
NATIONAL INSTITUTES OF HEALTH**

AT
AIRLIE CENTER
WARRENTON, VIRGINIA

APRIL 24 & 25, 2008

PROGRAM

THURSDAY, APRIL 24, 2008

3:00 – 5:00 p.m. **REGISTRATION**

5:00 – 6:00 p.m. **KEYNOTE ADDRESS:**

Moderator: Christine Torborg, Ph.D.

“Neural Stem Cells: Novel Signals and Sources”

Freda Miller, Ph.D., FRSC

Professor of Neurobiology

Canada Research Chair in Developmental

Neurobiology

Hospital for Sick Children, Toronto &

University of Toronto

6:15 – 7:15 p.m. **DINNER**

7:15-8:45 p.m. **POSTER SESSION 1** (ODD NUMBERS)

Outdoors in the gazebo

FRIDAY, APRIL 25, 2008

7:30 - 8:30 a.m. **BREAKFAST**

8:30 a.m. **WELCOME**

Brian Todd, Ph.D., Chair, Annual Meeting Steering
Committee

Owen M. Rennert, M.D., Scientific Director,

NICHD

8:50 a.m.

SCIENTIFIC PERSPECTIVES:

Moderator: Khalisa Herman

“Odor Coding by Ensembles of Neurons”

Mark Stopfer, Ph.D.

Unit on Sensory Coding and Ensembles,
Laboratory of Cellular and Synaptic Neurophysiology,
NICHD

“On Mirror Neurons and Their Involvement in Human and Nonhuman Primate Social Cognition”

Pier Francesco Ferrari, Ph.D.

Department of Neurosciences, Faculty of Medicine
and Surgery, University of Parma, Italy and
Researcher, Laboratory of Comparative Ethology,
NICHD

10:00 a.m.

Coffee break & check-out

10:30-12 noon

POSTER SESSION 2 (EVEN NUMBERS)

Outdoors in the gazebo

12:00 – 1:00 p.m.

LUNCH

1:00-2:00 p.m.

FRIDAY KEYNOTE ADDRESS

Moderator: Peter Krsko, Ph.D.

“Quark Park: The Solace of Vacant Spaces”

Peter Soderman & Kevin Wilkes, AIA
Princeton, New Jersey

2:00 – 3:30 p.m.

**FELLOW PRESENTATIONS (CONCURRENT SESSIONS)
Session A**

Moderator: Catherine Boucheron, Ph.D.

“Efficient ER-associated Degradation of Prion Proteins
Containing an Unprocessed GPI Signal Sequence”

Aarthi Ashok, Ph.D.

Unit on Protein Biogenesis, NICHD

“The AP4 Complex Mediates Sorting of the Amyloid
Precursor Protein at the trans-Golgi Network”

Patricia Burgos, Ph.D.

Section on Intracellular Protein Trafficking, NICHD

“Primary Cilia Mediate Prolonged, Short-range Cell-Cell Contacts”

Carolyn M. Ott, Ph.D
Section on Organelle Biology, NICHD

“The LIM-domain Binding Protein Ldb1 Is Required for Proper Endocardial Cushion Formation during Heart Development in *Mus musculus*.”

Matthew Phillips, Ph.D.
Section on Mammalian Molecular Genetics, NICHD

Session B

Moderator: Lina Gugliotti, Ph.D.

“Structural Heterogeneity of Type I Collagen Triple Helix and Its Role in Osteogenesis Imperfecta”

Elena Makareeva, Ph.D.
Section on Physical Biochemistry, NICHD

“A cAMP-specific Phosphodiesterase (PDE8B) That Is Mutated in Adrenal Hyperplasia and Is Expressed Widely in Human and Mouse Tissues: A Novel PDE8B Isoform”

Anelia D. Horvath, Ph.D.
Section on Endocrinology and Genetics, NICHD

“The Pathways of Neurodegeneration in Prion Diseases”

Oishee Chakrabarti, Ph.D.
Unit on Protein Biogenesis, NICHD

“Differentiation of Trophoblast Stem Cells into Giant Cells Is Triggered by p57 Inhibition of CDK1 Activity”

Matthew Kohn, Ph.D.
Section on Eukaryotic Gene Regulation, NICHD

3:30-5:00 p.m.

CAREER PROFILES

Moderator: Rachel Heimeier, Ph.D.

Elaine Diggs
Career Consultant, Office of Intramural Training and Education, OIR, OD, NIH

Kalpana Gupta, Ph.D.
Director, New Alliances and Initiatives,
Research and Development
International AIDS Vaccine Initiative (IAVI)

Simona Volpi, Ph.D.
Associate Director, Pharmacogenomics
Vanda Pharmaceuticals